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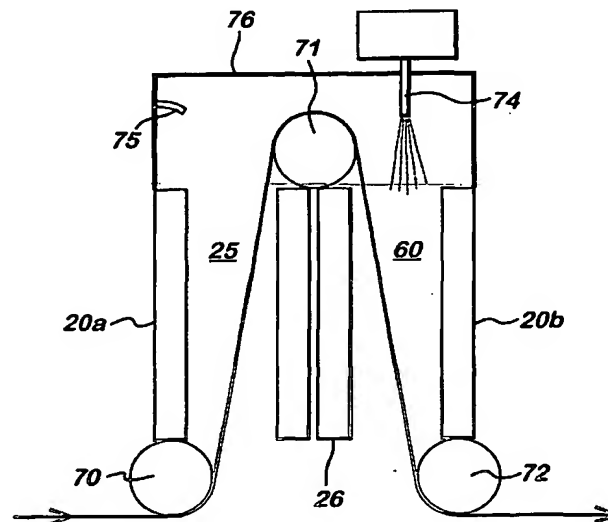
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(54) Title: AN ATMOSPHERIC PRESSURE PLASMA ASSEMBLY



(57) Abstract: An atmospheric pressure plasma assembly (1) comprising a first and second pair of vertically arrayed, parallel spaced-apart planar electrodes (36) with at least one dielectric plate (31) between said first pair, adjacent one electrode and at least one dielectric plate (31) between said second pair adjacent one electrode, the spacing between the dielectric plate and the other dielectric plate or electrode of each of the first and second pairs of electrodes forming a first and second plasma regions (25, 60) characterized in that the assembly further comprises a means of transporting a substrate (70, 71, 72) successively through said first and second plasma regions (25, 60) and an atomizer (74) adapted to introduce an atomized liquid or solid coating making material into one of said first or second plasma regions.

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